



## Beamline 5.4 is presently under construction.

It will be located on top of the LINAC/BTF cave, inside the main ALS storage ring!

*Source*

Bend magnet synchrotron radiation

*Acceptance Angle*

17 mrad (vert) x 69 mrad (horiz)

*Scientific Applications*

Biological samples, environmental samples, novel compounds, forensic studies

*Endstations*

[Beamline 5.4.1](#)

[Beamline 5.4.2](#)

[Beamline 5.4.3](#)

*Description*

Infrared Spectromicroscopy

to be determined

High resolution Far-IR to mid-IR spectroscopy

*Frequency Range*

600-10,000 cm<sup>-1</sup>

20-5,000 cm<sup>-1</sup>

*Spot Size*  
3-10  $\mu\text{m}$  (diffraction limited)  
1 mm

<i>Resolution</i>			
0.125 cm	-1	0.00096 cm	-1

